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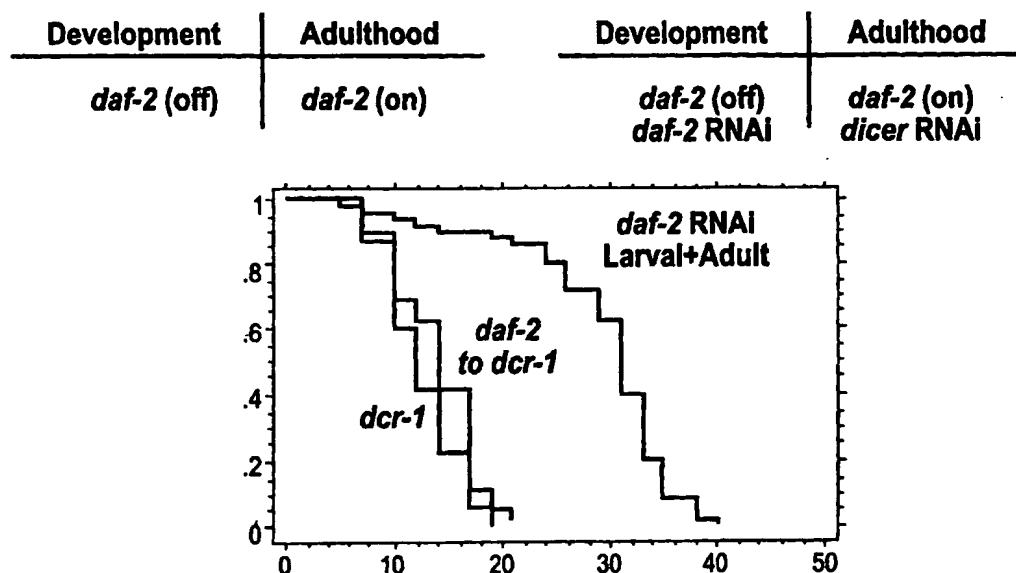
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[Continued on next page]

(54) Title: **CONDITIONAL GENE EXPRESSION USING RNAI**

Does *daf-2* signaling during
development regulate lifespan?



(57) Abstract: The present invention relates to regulation of gene expression and conditional gene expression by regulating an RNAi response. More particularly, the present invention is directed to methods of inhibiting an RNAi response by contacting a cell with a dsRNA directed against a component of the RNAi response, *e.g.*, with a *dcr-1* dsRNA, thereby inhibiting an RNAi response.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30531

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; A01N 43/04; C07H 21/04; A61K 31/07

US CL : 435/6, 91.1, 325, 375; 514/44, 2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 91.1, 325, 375; 514/44, 2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	RUVKUN, G. Glimpses of a tiny RNA world. Science. 26 October 2001, Vol. 294, pages 797-799, see A, B, and C.	1, 2, 4, 5, 6, 8, 9, 10, 13-17, 20, 21, 22, 29-32, 43-48, and 51
X — Y	Tijsterman et al. RNA helicase MUT-14-dependent gene silencing triggered in <i>C. elegans</i> by short antisense RNAs. Science, 25 January 2002, Vol. 295, pages 694-697, see Figures 1 and 2.	1, 3, 4, 5, 6, 9, 10, 13, 15, 16, 17, 21, 22, 29, 31, 32, 34, 43, 44, 45, 47, and 48, 1, 13, 29, 44,
X — Y	US 6,506,559 B1 (FIRE et al.) 14 January 2003 (14.01.2003), see claims 1-22.	

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

PCT/US03/3

Continuation of B. FIELDS SEARCHED Item 3:

Databases: Medline, EmBase, CancerLit, Biosis,

search terms: dicer, dcr-1 rde-1, smg-5, ego-1, rde-4, siRNA, RNA interference